

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference OPP021590KR	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/KR 03/00799	International filing date (day/month/year) 18 April 2003 (18.04.2003)	(Earliest) Priority Date (day/month/year) 1 October 2002 (01.10.2002)
Applicant LG CHEM, LTD.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (See Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.: _____

☐ as suggested by the applicant.

☐ None of the figures.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 03/00799-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C08G 64/40, C08G 64/30; C08G 64/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C08G 64/40, C08G 64/30; C08G 64/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0807657 A1 (IDEMITSU KOSAN COMPANY LIMITED) 19 November 1997 (19.11.97) <i>page 9, lines 21-54; page 15, line 15 - page 18, line 56, examples 1-14.</i>	1
Y	-----	1-22
Y	US 5401814 A (SCHOMAKER J.A. et al.) 28 March 1995 (28.03.95) <i>column 2, lines 4 - 42; column 2, line 61 - column 3, line 13; examples 1, 2, claims.</i>	1-22
X	JP 10 045896 A (IDEMITSU KOSAN CO LTD), 17 February 1998 (17.02.98) (abstract)[retrieved on 2003-07-04] Retrieved from EPO PAJ database. <i>abstract.</i>	1
Y	-----	1-17
Y	US 5045632 A (PARKER T.L.) 3 September 1991 (03.09.91) <i>column 11, table I, examples 12,13; claims.</i>	1-17

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

7 July 2003 (07.07.2003)

Date of mailing of the international search report

12 August 2003 (12.08.2003)

Name and mailing address of the ISA/AT

Austrian Patent Office

Dresdner Straße 87, A-1200 Vienna

Facsimile No. 1/53424/535

Authorized officer

BAUMSCHABL F.

Telephone No. 1/53424/459

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR 03/00799-0

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0434998 A2 (G.E. PLASTICS JAPAN LTD.) 3 July 1991 (03.07.91) <i>page 7, line 26 - page 8, line 57; production examples 1-3.</i>	1
X	JP 07 053705 A (IDEMITSU PETROCHEM CO LTD), 28 February 1995 (28.02.95) (abstract)[retrieved on 2003-07-04] Retrieved from EPO PAJ database. <i>abstract.</i>	1
X	JP 08 041193 A (IDEMITSU KOSAN CO LTD), 13 February 1996 (13.02.96) , (abstract)[retrieved on 2003-07-04] Retrieved from EPO PAJ database. <i>abstract.</i>	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR 03/00799-0

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
EP	A2	434998	03-07-1991	DE	C0 69025298	21-03-1996
EP	A3	434998	06-11-1991	DE	T2 69025298	29-08-1996
EP	B1	434998	07-02-1996	ES	T3 2085313	01-06-1996
				JP	A2 3203956	05-09-1991
				JP	B2 3122721	09-01-2001
				US	A 5187242	16-02-1993
EP	A1	7657	06-02-1980	AT	E 68	15-06-1981
EP	B1	7657	20-05-1981	BR	A 7904491	25-03-1980
				CA	A1 1124062	25-05-1982
				DE	C0 2960375	27-08-1981
				ES	A1 482474	01-07-1980
				ES	A5 482474	01-08-1980
				JP	A2 55014896	01-02-1980
				JP	B4 60001921	18-01-1985
				NL	A 7807580	16-01-1980
				NL	B 176088	17-09-1984
				NL	C 176088	18-02-1985
				US	A 4294431	13-10-1981
JP	A	53705A2			none	
JP	A	41193A2			none	
JP	A	10045896			none	
		A2				
US	A	5045632	03-09-1991		none	
US	A	5401814	28-03-1995		none	